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Complete if Known Substitute for form 1449A/B/PTO Application Number 10/717,772-Conf. #8376 INFORMATION DISCLOSURE November 20, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Kazutaka UCHITOMI Art Unit 1745 (Use as many sheets as necessary) Examiner Name J. J. Rhee Sheet Attorney Docket Number 5271-0109PUS1

|                       | U.S. PATENT DOCUMENTS |  |                                |  |   |  |  |
|-----------------------|-----------------------|--|--------------------------------|--|---|--|--|
| Examiner<br>Initials* | Cite<br>No.1          | Document Number Number-Kind Code <sup>2</sup> (#known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |
| .TR                   | AA*                   | US-6,964,828-A1  | 11-15-2005                     | Lu et al.  |   |  |  |
| JŘ                    | AB*                   | US-20030180617-A1                                      | 09-25-2003                     | Fujimoto et al.                                    |   |  |  |

|                       |              | FOREIG  | GN PATENT                         | DOCUMENTS  |   | _ |
|-----------------------|--------------|---|-----------------------------------|--|---|---|
| Examiner<br>Initials* | Cite<br>No.1 | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>4</sup> (# known) | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear |   |
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|                      |              | NON PATENT LITERATURE DOCUMENTS   |    |
|----------------------|--------------|---|----|
| Examiner<br>Initials | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
|                      |              |   |    |

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| Examiner<br>Signature | /Jane Rhee/ | Date<br>Considered | 08/23/2006 |
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|                       |             |                    |            |

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.



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|       |                            |          |            | Application Number     | 10/717,772-Conf. #8376 |  |
| 11    | <b>IFORMATIO</b>           | N DI     | SCLOSURE   | Filing Date            | November 20, 2003      |  |
| S     | <b>TATEMENT</b>            | BY /     | APPLICANT  | First Named Inventor   | Kazutaka UCHITOMI      |  |
|       |                            |          |            | Art Unit               | 1745                   |  |
|       | (Use as many s             | heets as | necessary) | Examiner Name          | J. J. Rhee             |  |
| Sheet | 1                          | of       | 1          | Attorney Docket Number | 5271-0109PUS1          |  |

|                       | U.S. PATENT DOCUMENTS |   |                                |  |   |  |  |
|-----------------------|-----------------------|---|--------------------------------|--|---|--|--|
| Examiner<br>Initials* | Cite<br>No.¹          | Document Number  Number-Kind Code <sup>2</sup> ( # known) | Publication Date<br>MM-DD-YYYY |  | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |
|                       |                       |   |                                |  |   |  |  |

|               | FOREIGN PATENT DOCUMENTS |  |                    |                             |   |   |  |
|---------------|--------------------------|--|--------------------|-----------------------------|---|---|--|
| Examiner      | Cite                     | Foreign Patent Document  | Publication        | Name of Patentee or         | Pages, Columns, Lines,                                | Г |  |
| Initials* No. |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>8</sup> (#Icrown) | Date<br>MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages<br>or Relevant Figures Appear |   |  |
| JR            | ВА                       | JP-2000-82466-A  | 03-21-2000         |                             |   | 1 |  |
| TD            | BB                       | JP-2003-68299-A  | 03-07-2003         |                             |   | 1 |  |

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|                      |              | NON PATENT LITERATURE DOCUMENTS   |    |
|----------------------|--------------|---|----|
| Examiner<br>Initials | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
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<sup>&#</sup>x27;Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

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U.S. Petent and Trademerk Office; U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it contains a valid OMB control number.

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| Application Number     | 10/717,772-Conf. #8376 |
| Filing Date            | November 20, 2003      |
| First Named Inventor   | Kazutaka UCHITOMI      |
| Art Unit               | N/A                    |
| Examiner Name          | Not Yet Assigned       |
| Attorney Docket Number | 5271-0109PUS1          |

|                       | U.S. PATENT DOCUMENTS |   |                  |                             |   |  |  |
|-----------------------|-----------------------|---|------------------|-----------------------------|---|--|--|
| Everniner             | C34                   | Document Number                           | Publication Date | Name of Patentee or         | Pages, Columns, Lines, Where                    |  |  |
| Examiner<br>Initials* | Cite<br>No.'          | Number-Kind Code <sup>2</sup> ( if known) | MM-DD-YYYY       | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |  |  |
| TR.                   | AA*                   | US-2003/0170540-A1                        | 09-11-2003       | Ohzuku et al.               |   |  |  |

|           | FOREIGN PATENT DOCUMENTS |   |                    |                             |   |    |  |  |
|-----------|--------------------------|---|--------------------|-----------------------------|---|----|--|--|
| Examiner  | Cite                     | Foreign Patent Oocument   | Publication        | Name of Patentee or         | Pages, Columns, Lines,                                |    |  |  |
| Initials* | No.                      | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known) | Date<br>MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages<br>or Relevant Figures Appear | Ţ⁵ |  |  |
| JR        | ВА                       | WO-02/073718-A1   | 09-19-2002         |                             |   |    |  |  |
| JR        | ВВ                       | EP-1 372 202-A1   | 12-17-2003         |                             |   |    |  |  |
| JR        | BC                       | WO-02/078105-A1   | 10-03-2002         |                             |   |    |  |  |
| JR        | BD                       | JP-2002-319398-A  | 10-31-2002         |                             |   |    |  |  |

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|                      | _            | NON PATENT LITERATURE DOCUMENTS   |    |
|----------------------|--------------|---|----|
| Examiner<br>Initials | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), litle of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
|                      |              |   |    |

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| Examiner /<br>Signature /   | Jane Rhee/ | Date<br>Considered | 08/23/2006 |
|-----------------------------|------------|--------------------|------------|
| Birch, Stewart, Kolasch & B | irch, LLP  |                    | JWB/GMD/ta |

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| . ,   |   |                     |               | Docket Number (Optional)<br>04558.077001 |  | Application Number 10/717,772 |                |                    |                               |              |  |
|---|---|---------------------|---------------|--|--|-------------------------------|----------------|--------------------|-------------------------------|--------------|--|
|   | INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)               |                     |               |  | Applicant(s)  Kazutaka UCHITOMI, et al.                  |                               |                |                    |                               |              |  |
|   |   |                     |               |  |  | Filing Date                   | Group Art Unit |                    |                               |              |  |
|   |   |                     |               |  |  | 11/20/2003                    |                | -                  |                               |              |  |
| U.S. PATENT DOCUMENTS   |   |                     |               |  |  |                               |                |                    |                               |              |  |
| *EXAMINER<br>INITIAL  | I REF I DURCHMENT NUMBER I DAT  |                     | DATE          | MOIPE                                    |  | CLASS                         | CLASS SUBCLASS |                    | FILING DATE<br>IF APPROPRIATE |              |  |
| JR  | Al  | 5,71                | 18,989        | 02/17/1998                               | Aoki et  | al. (9 FFR 1 7 may 5)         | 429            | 218                | 12/27/19                      | 96           |  |
|   | A2  | 5,79                | 95,558        | 08/18/1998                               | Aoki et al.  |                               | 423            | 594                | 10/09/1997                    |              |  |
|   | А3  | 6,04                | 40,090        | 03/21/2000                               | Sunagawa et al. RADEMARY                                 |                               | 429            | 231.95             | 231.95 04/14/199              |              |  |
|   | A4  | 6,55                | 51,744 B1     | 04/22/2003                               | Aoki et al.  Aoki et al.  Sunagawa et al.  Ohzuku et al. |                               | 429            | 223                | 11/28/2000                    |              |  |
|   | A5  | 200                 | 2/0086210 A1  | 07/04/2002                               | Naruoka et al.   |                               | 429            | 223                | 11/08/2001                    |              |  |
| V   | A6  | 2003/0082452 A1     |               | 05/01/2003                               | Ueda et al.  |                               | 429            | 231.1              | 11/14/2001                    |              |  |
|   | _   | $\perp$             |               |  |  |                               |                |                    |                               |              |  |
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|   |   |                     |               |  | FOREIGN  | N PATENT DOCUMENTS            |                |                    |                               |              |  |
|   | REF   | REF DOCUMENT NUMBER |               | DATE                                     | COUNTRY  |                               | CLASS          | SUBCLASS           | Trans<br>VES                  | lation<br>NO |  |
| JR  | A7  | EP                  | 1 189 296 A2  | 03/09/2001                               | Europe   |                               | H01M           | 4/48               |                               |              |  |
|   | 4   | wo                  | ) 02/40404 A1 | 05/23/2002                               | Japan  |                               | C01G           | 53/00              |                               | >            |  |
|   | A9  | 8 - 3               | 37007         | 02/06/1996                               | Japan  |                               | H01M           | 4/58               |                               | >            |  |
|   | A10   | 11 - 25957          |               | 01/29/1999                               | Japan  |                               | H01M           | 4/02               |                               | >            |  |
|   | A11   | 200                 | 0 - 223122    | 08/11/2000                               | Japan  |                               | H01M           | 4/58               |                               | 7            |  |
|   |   |                     |               |  | OTHER [  | DOCUMENTS (Including A        | uthor, Title,  | Date, Pertinent Pa | iges, Eic.)                   |              |  |
| JR  | JR Patent Abstracts of Japan; Publication No. 08037007 A                        |                     |               | )7 A dated 02/06/1996 (1 pg              | ; <b>.</b> )   |                               |                |                    |                               |              |  |
| JR  | Patent Abstracts of Japan; Publication No. 2000-223122 dated 08/11/2000 (1 pg.) |                     |               |  |  |                               |                |                    |                               |              |  |
| EXAMINE   | R   | /:                  | Jane Rhee/    |  |  | DATE CONSIDERED 08/23/2006    |                |                    |                               |              |  |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |                     |               |  |  |                               |                |                    |                               |              |  |

|              |   |           |   | ATTY DOCKET NO.<br>04558.077001 |  | SERIAL NO.<br>10/717,772                |                 |                     |  |          |  |
|--------------|---|-----------|---|---------------------------------|--|---|-----------------|---------------------|--|----------|--|
|              | INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) |           |   |                                 |  | Kazutaka UCHITOMI, et al.               |                 |                     |  |          |  |
|              |   |           |   |                                 | FILING<br>11/20/2003                             |   | GROUP           |                     |  |          |  |
|              | <del></del>   |           |   | U.S                             | S. PATENT  | DOCUMENTS                               |                 |                     |  |          |  |
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|              |   | 100       | DOCUMENT NUMBER 12 - 304993   |                                 | Japan  | COUNTRY                                 | H01M            | SUBCLASS<br>4/58    | YES  | NO J     |  |
|              | BI  | ┿         |   | 10/18/2002                      |  |   | <del> </del>    |                     |  |          |  |
|              | B2  | ╂—        | 02 - 100357   | 04/05/2002                      | Japan  |   | H01M            | 4/58                |  | >        |  |
|              | В3  | 200       | 92 - 42813  | 02/08/2002                      | Japan  | <del></del>                             | H01M            | 4/58                |  | <u> </u> |  |
|              | -   | +-        |   |                                 | -  | *************************************** | <del> </del>    | -                   |  |          |  |
|              |   | <u></u>   | OTHER DOCUMEN   | NTS (Includin                   | a Author   | r, Title, Date, Pertinent F             | Pages, Etc.     | <u> </u>            | <u> </u>   |          |  |
| JR.          |   | B4        |   |                                 |  |   |                 |                     |  |          |  |
| JR           |   | B5        | Patent Abstracts of Japan; Publication No. 2002-100357 dated 04/05/2002 (1 pg.) |                                 |  |   |                 |                     |  |          |  |
| EXAMINER     | <b></b> 1   | ,         | /Jane Rhee/   |                                 |  | DATE CONSIDERED 08/                     | /23/2006        |                     |  |          |  |
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